I 49.89:82/47-1/map C8

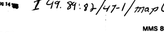
MMS 85-0011
FWS/OBS-82/47.1

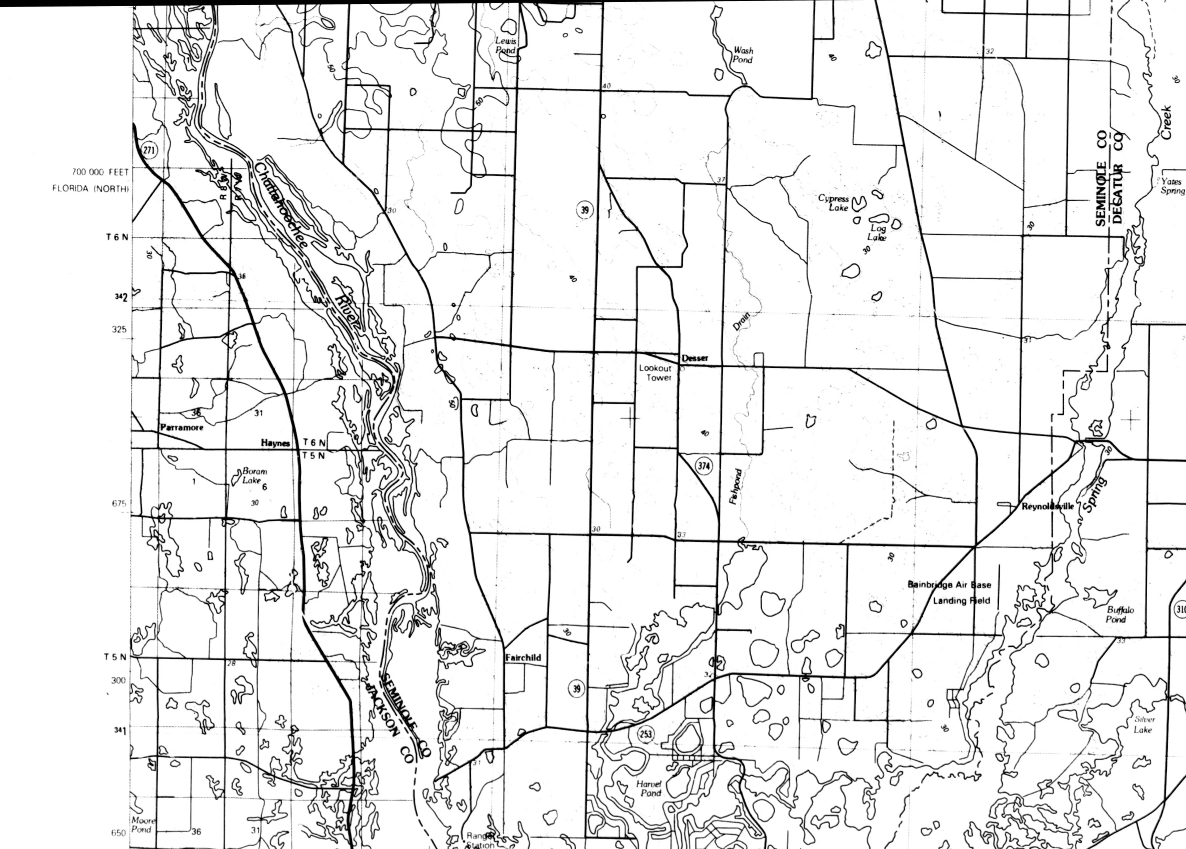
MAP C8

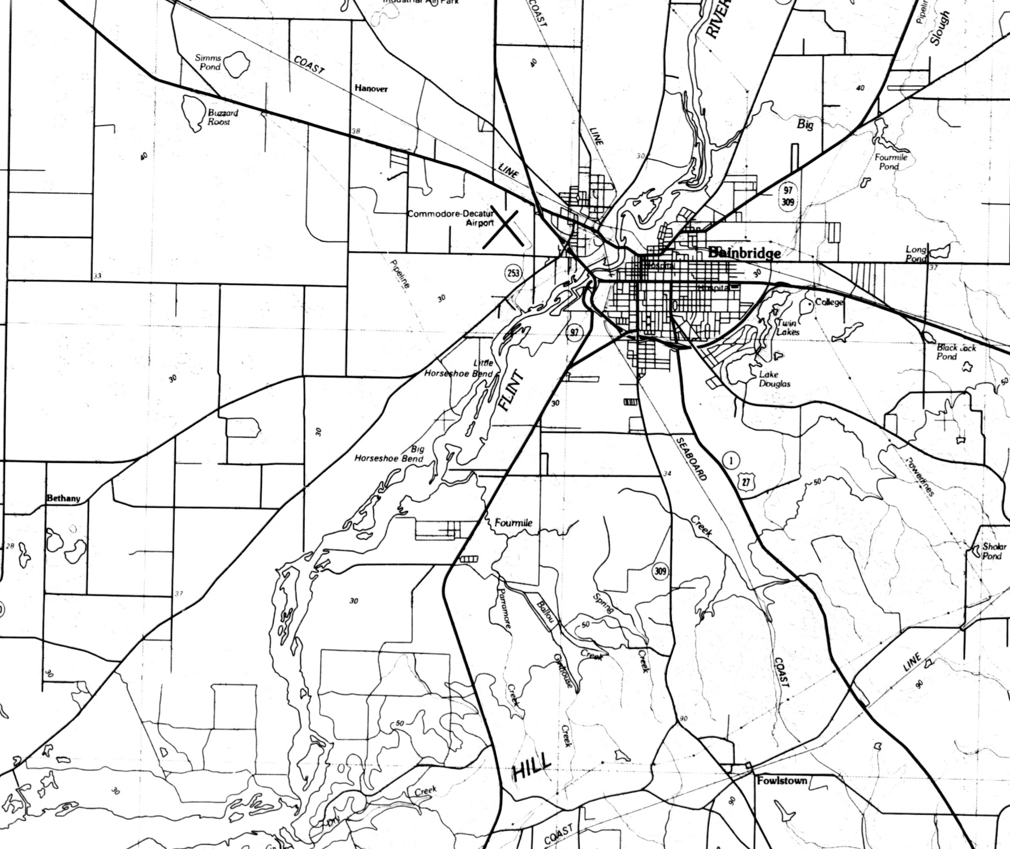
Bainbridge

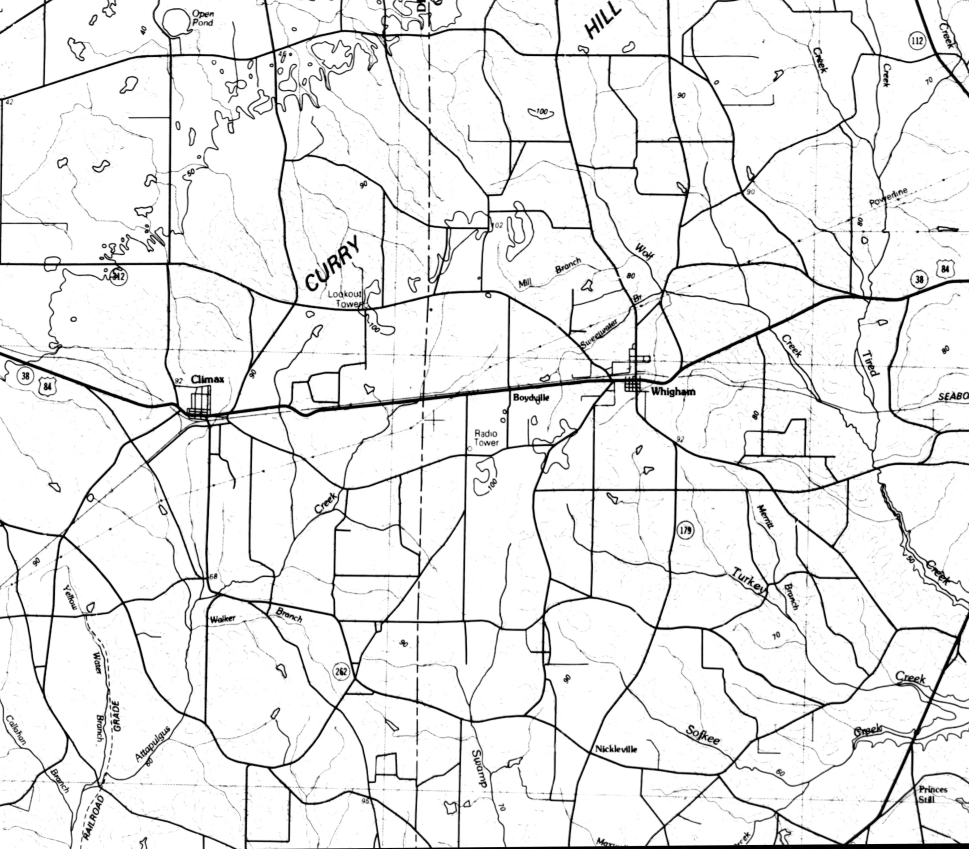
FLORIDA ECOLOGICAL ATLAS

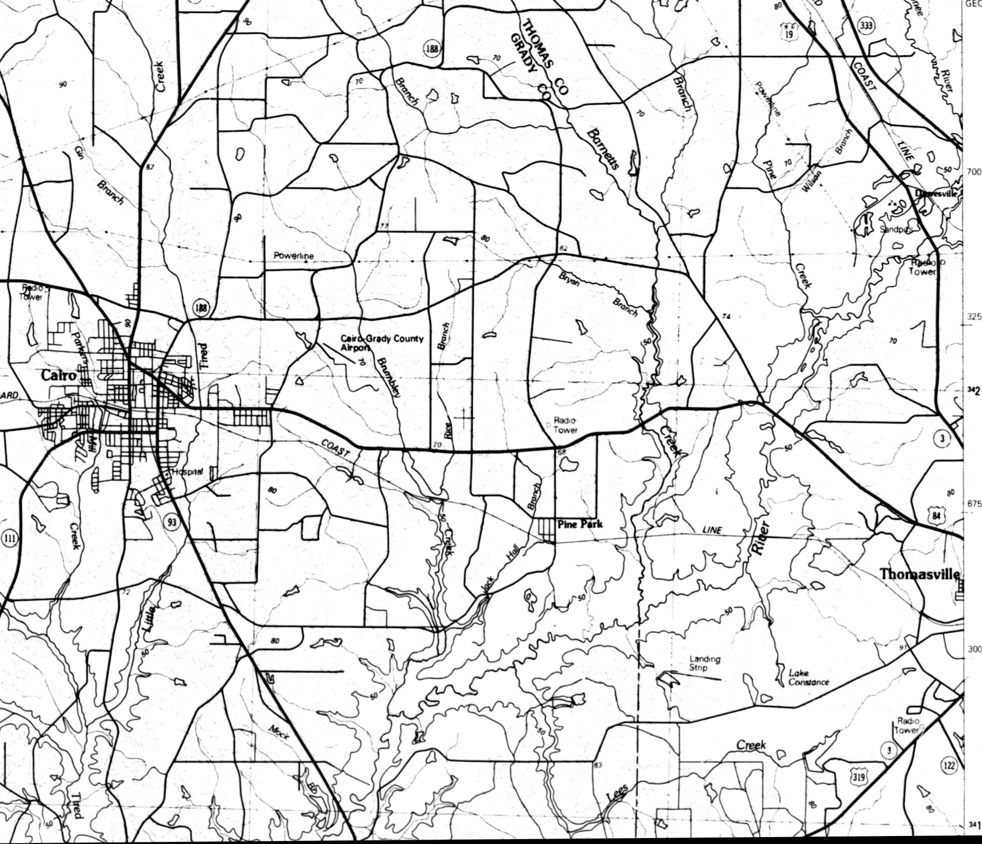
SOILS AND LANDFORMS



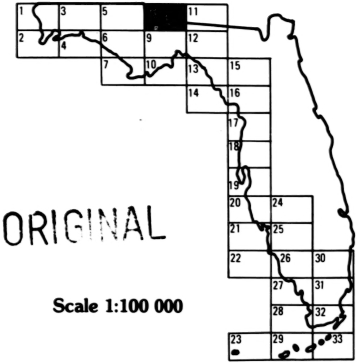

700 000 FEET
FLORIDA (NORTH)
T 6 N
342
325
675
T 5 N
300
341
650
271
R 8 W
R 7 W
Chattahoochee River
Lewis Pond
Wash Pond
50
40
37
32
30
39
Cypress Lake
Log Lake
SEMINOLE CO
DECATUR CO
Creek
Yates Spring
36
342
Drain
Desser
Lookout Tower
Parramore
31
Haynes
T 6 N
T 5 N
Boram Lake
6
1
374
Fishpond
Reynoldsville
Spring
33
Bainbridge Air Base
Landing Field
Buffalo Pond
310
Fairchild
SEMINOLE CO
JACKSON CO
28
34
253
Harvel Pond
Silver Lake
Moore Pond
36
31
Ranger Station


Industrial Air Park
COAST
RIVER
Pipeline
Slough
Simms Pond
COAST
Hanover
40
Big
Buzzard Roost
38
40
LINE
30
Fourmile Pond
40
LINE
97
309
Commodore-Decatur Airport
Bainbridge
Hospital
Long Pond
37
Pipeline
253
30
30
Hospital
College
Twin Lakes
Black Jack Pond
97
Little Horseshoe Bend
FLINT
Lake Douglas
50
30
30
30
Big Horseshoe Bend
SEABOARD
1
Powerlines
33
34
27
50
Bethany
Fourmile
Creek
28
Sholar Pond
309
37
30
Paramore
Ballou
Spring
50
Creek
Creek
Gumhouse
Creek
30
LINE
90
COAST
50
Creek
90
Creek
HILL
Fowlstown
30
Creek
Dry
90
COAST


Open Pond
40
46
HILL
112
Creek
Creek
Creek
70
42
100
90
0
50
90
CURRY
312
Lookout Tower
100
102
Wolf
Mill Branch
80
Br
Sweetwater
Powerline
90
80
38
84
Creek
Tired
80
SEABO
38
84
92
Climax
90
Boydville
Whigham
Radio Tower
100
80
92
179
Creek
Merritt
90
68
Yellow
Walker Branch
Turkey
Branch
70
50
Creek
Water
Branch
GRADE
262
90
90
Creek
Creek
Callahan
Branch
Attapulgus
60
Swamp
Sofkee
Nickleville
60
RAILROAD
95
70
Princes Still


THOMAS CO
GRADY CO
188
19
333
COAST
LINE
COAST
LINE
Creek
Gin
Branch
Branch
Barnetts
Branch
Powerline
Pine
Wilson
Branch
River
Dawesville
Sandpits
Radio Tower
Powerline
Bryan
Branch
Creek
Radio Tower
Cairo
Parkers
Tired
Cairo-Grady County Airport
Brumbley
Branch
Rice
Radio Tower
Creek
Hospital
Mill
Creek
93
111
Creek
Branch
Hall
Jack
Pine Park
River
3
84
Thomasville
Little
Landing Strip
Lake Constance
Mock
Creek
Radio Tower
3
319
122
Lees
Tired
90
87
70
77
80
82
74
68
72
50
63
91
700
325
342
675
300
341

ORIGINAL


1
2
3
4
5
6
7
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33

Scale 1:100 000

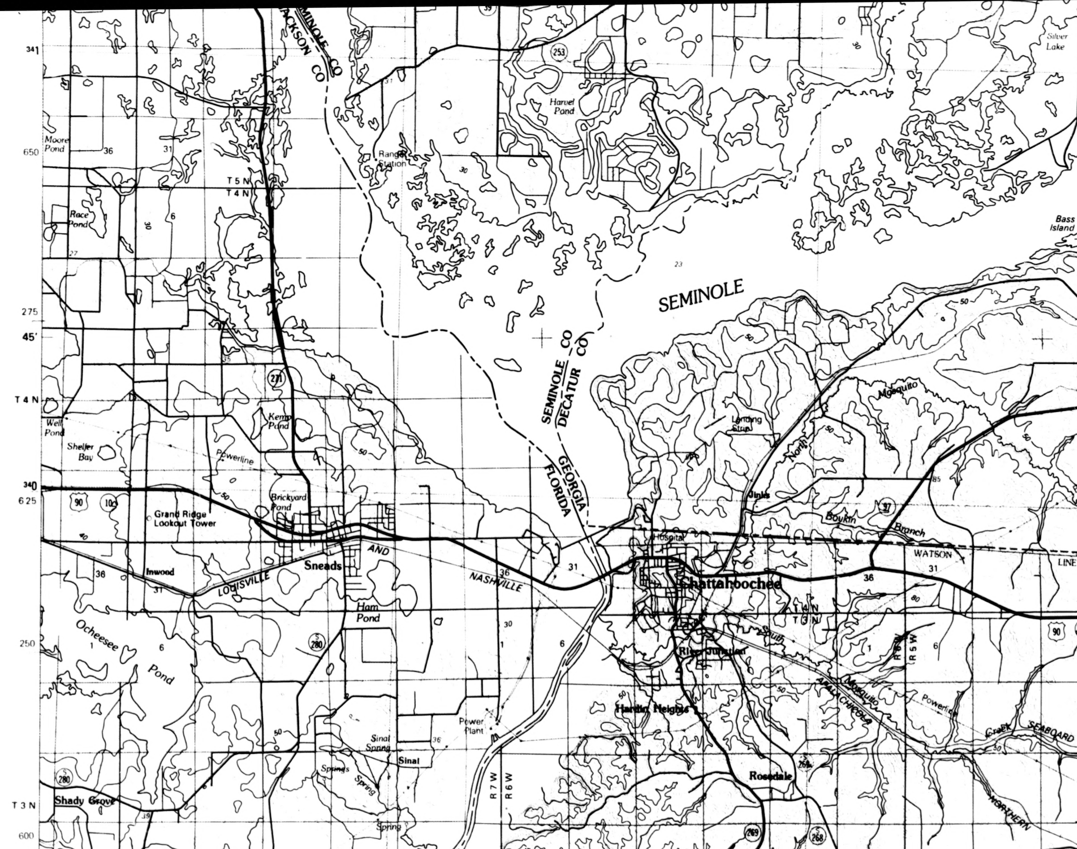
TOPICAL MAPS IN THIS ATLAS:

A. BIOLOGICAL RESOURCES
B. SOCIOECONOMIC FEATURES
C. SOILS AND LANDFORMS
D. OIL, GAS AND MINERALS
E. HYDROLOGY AND CLIMATOLOGY

1984

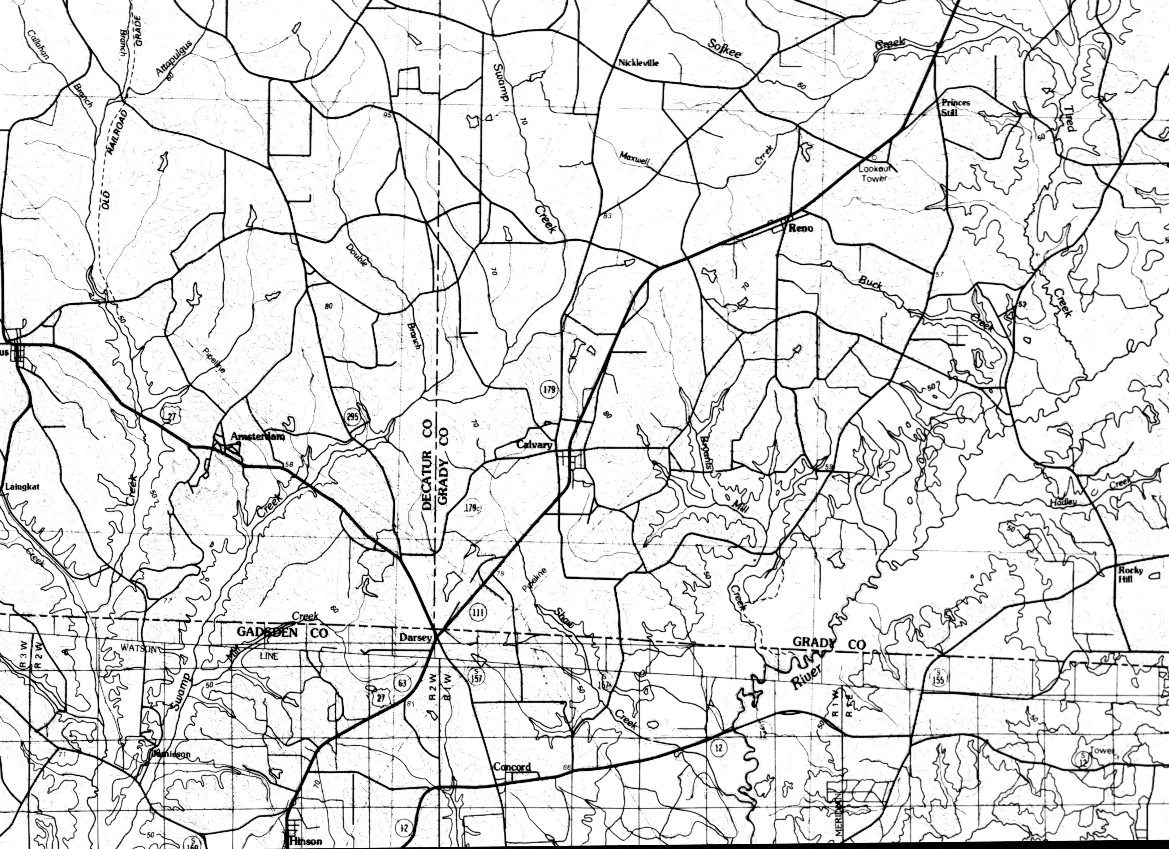
Produced by U.S. Fish and Wildlife
Service and Minerals Management Service

**Projection and 10,000 meter grid, zone 17: Universal Transverse Mercator
25,000-foot grid ticks based on Florida coordinate**

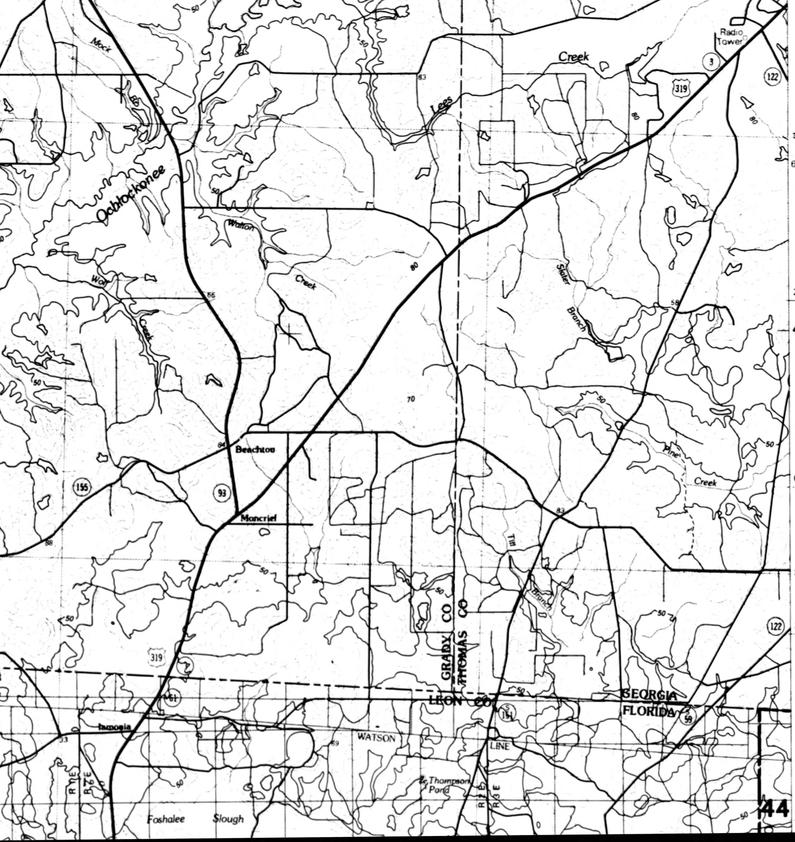


341
650
275
45'
T 4 N
340
625
250
T 3 N
600
SEMINOLE CO
JACKSON CO
39
253
Silver Lake
Harvel Pond
Moore Pond
36
31
30
Ranger Station
T 5 N
T 4 N
Race Pond
6
27
Bass Island
23
SEMINOLE
SEMINOLE CO
DECATUR CO
GEORGIA
FLORIDA
50
35
271
Kemp Pond
Well Pond
Shelfer Bay
Powerline
Mosquito
Landing Strip
North
Jinks
Boykin Branch
97
85
Brickyard Pond
Grand Ridge Lookout Tower
90
10
40
Hospital
WATSON
LINE
Inwood
Sneads
LOUISVILLE
AND
NASHVILLE
31
36
Chattahoochee
80
T 4 N
T 3 N
90
Ham Pond
280
Ocheesee Pond
1
River Junction
South
R 6 W
R 5 W
Mosquito
APALACHICOLA
Powerline
Creek
SEABOARD
Hardin Heights
Power Plant
Sinai Spring
Sinai
Springs
Spring
Spring
R 7 W
R 6 W
269
Rosedale
268
280
Shady Grove
39
NORTHERN

HILL
CURRY
Fowlstown
Faceville
Attapulgu
Recovery
Lookout Tower
SEABOARD
COAST
LINE
Little
Dry
Creek
Butlers
Cr
Creek
Landing Strip
Crescent Lake
Attapulgus
Willacoochee
Betts Mill Creek
Hannatown
owerline
Creek
DECATUR CO
GADSDEN CO
GEORGIA
FLORIDA
T 4 N
T 3 N
R 5 W
R 4 W
R 4 W
R 3 W
36
31
1
6
36
1
6
Oak Grove
Mt Pleasant
Dogtown
Strip Mine
Strip Mine
Strip Mine
Creek
COAST
310
302
309
241
65
S 379
S 379
S 379
S 159
90
87
79
80
88
88
88
81
50
30
70


Callahan
Branch
Branch
GRADE
Attapulgus
60
OLD
RAILROAD
Nickleville
Sofkee
Creek
60
Swamp
95
70
Maxwell
Creek
Princes
Still
Tired
50
Lookout
Tower
Creek
83
Reno
Double
70
Buck
Creek
53
Creek
57
80
Branch
50
us
Pipeline
70
179
80
50
295
27
Amsterdam
DECATUR CO
GRADY CO
70
Calvary
Bryants
Mill
59
58
Creek
Laingkat
Creek
50
179c
Hadley
Creek
50
Creek
50
Rocky
Hill
78
Pipeline
Shaw
Creek
77
Creek
60
111
GADSDEN CO
Darsey
GRADY CO
River
WATSON
LINE
Mill
R3W
R2W
Swamp
50
63
27
R2W
R1W
157
167A
50
Creek
155
R1W
R1E
50
12
12
50
Tower
12
Jamieson
71
Concord
66
70
12
MERIDIAN
50
Hinson
160

Du


Radio Tower
Mock
Creek
Lees
Ochlockonee
Walton
Creek
Wolf
Creek
Slater
Branch
Pine
Creek
Till
Branch
Beachton
Moncrief
Iamonia
WATSON
LINE
Thompson Pond
Foshalee
Slough
GRADY CO
THOMAS CO
LEON CO
GEORGIA
FLORIDA
3
122
319
155
93
61
151
59
83
86
84
88
33
69
80
70
58
50
341
650
275
45′
625
340
250
600
R1E
R2E
R3E
44

1.
2.

3.
4.
5.
6.
7.
8.
9.
10.

11.
12.
13.
14.
15.
16.

Produced by U.S. Fish and Wildlife Service and Minerals Management Service

Projection and 10,000 meter grid, zone 17: Universal Transverse Mercator
25,000-foot grid ticks based on Florida coordinate system, west zone

Overlay material compiled in 1983 from latest available data obtained from Federal, State and Local government agencies and other sources.

MAJOR SURFACE LANDFORMS

- Western Highlands
- Escambia Valley
- Gulf Coastal Lowlands
- Gulf Barrier Chain
- Marianna Lowlands
- New Hope Ridge
- Greenhead Slope
- Fountain Slope
- Grand Ridge
- Northern Highlands
- Coastal Swamps
- Brooksville Ridge
- Western Valley

SOIL ASSOCIATIONS

- Lakeland-Eustis-Lakewood Association
- Lakeland, Ruston, and Norfolk-Sunsweet, Carnegie and Cuthbert Association
- Red Bay-Blakely Association
- Tifton-Carnegie-Faceville Association
- Norfolk-Ruston-Savannah Association
- Tifton-Irvington-Lynchburg Association
- Klej-Leon Association
- Huckabee-Kalmia-Izagota Association
- Coastal Dune Land and Beach-Tidal Marsh Association
- Plummer-Rutlege-Alluvial Land-Fresh Water
- Swamp-Dorovan-Pamlico Association
- Lakeland-Paola-Kureb-St. Lucie-Rimini Association
- Lakeland-Troup Association
- Troup-Orangeburg Association
- Dothan-Orangeburg Association
- Red Bay-Lucy Association
- Chipley-Scranton Association

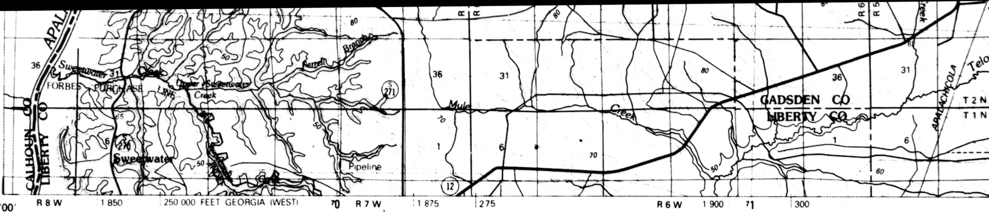
GRAND RIDGE
GULF COASTAL LOWLANDS
NORTHERN HIGHLANDS
NORTHERN

MICROCOPY RESOLUTION TEST CHART
NBS 1010a
(ANSI and ISO TEST CHART No. 2)

1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0

550

30°30′
85°


APAL
36
Sweetwater
31
FORBES PURCHASE LINE
Upper Sweetwater Creek
Ferrell Branch
80
50
271
65
274
6
Sweetwater
50
Pipeline
CALHOUN CO
LIBERTY CO
36
31
Mule
70
1
6
12
Creek
80
70
50
GADSDEN CO
LIBERTY CO
36
31
1
6
60
APALACHICOLA
Telo
T 2 N
T 1 N
R 6
R 5
Creek
00′
R 8 W
1 850
250 000 FEET GEORGIA (WEST)
70
R 7 W
1 875
275
R 6 W
1 900
71
300
KILOMETERS
MILES

THE FLORIDA ECOLOGICAL ATLAS WAS PRODUCED BY THE U.S. FISH AND WILDLIFE SERVICE, DIVISION OF BIOLOGICAL SERVICES, NATIONAL COASTAL ECOSYSTEMS TEAM (FWS/OBS - 82/47) AND THE MINERALS MANAGEMENT SERVICE FOR COASTAL PLANNERS, DECISION MAKERS, AND THE GENERAL PUBLIC, TO DETERMINE AND EVALUATE CHANGE AND TO RESOLVE CONFLICTS AMONG LAND USES, FISH AND WILDLIFE REQUIREMENTS, AND THE MAINTENANCE OF ECOLOGICAL DIVERSITY. THE STUDY AREA INCLUDES THE COASTAL COUNTIES: ESCAMBIA, SANTA ROSA, OKALOOSA, WALTON, WASHINGTON, BAY, CALHOUN, GULF, FRANKLIN, WAKULLA, JEFFERSON, TAYLOR, DIXIE, LEVY, CITRUS AND HERNANDO, AND EXTENDS OFFSHORE APPROXIMATELY 10 MILES. THERE IS NO ATTEMPT, IN THE DESIGN OR PRODUCTS OF THIS STUDY, TO DEFINE THE LIMITS OF PROPRIETARY JURISDICTION OF ANY FEDERAL, STATE, OR LOCAL GOVERNMENT TO ESTABLISH THE GEOGRAPHICAL SCOPE OF THE REGULATORY PROGRAMS OF GOVERNMENT AGENCIES.

THIS MAP HAS BEEN COMPILED FROM A VARIETY OF SOURCE MATERIALS INCLUDING MAPS, AERIAL PHOTOS, AND REPORTS. SINCE MANY SOURCES CONTAINED GENERALIZED LOCATIONS OF RESOURCES AND OTHER MAPPED FEATURES, THE USER SHOULD NOT RELY ON THESE MAPS FOR PRECISE MEASUREMENTS OF DISTANCES OR AREAS.

PRIMARY SOURCES OF MAPPED INFORMATION:

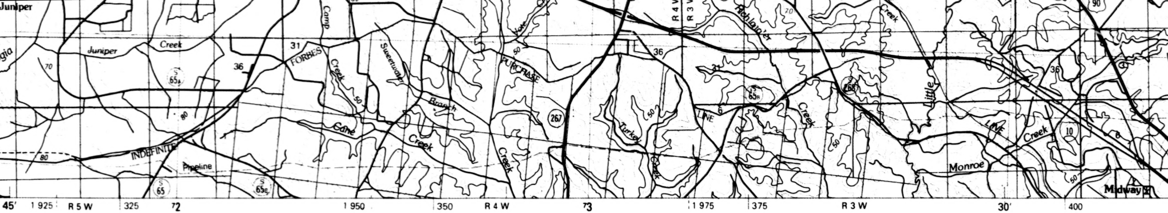
LANDFORMS: Physiographic Map of Florida,
State Bureau of Geology, 1980.

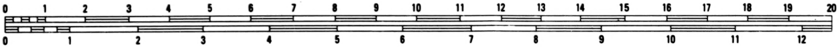
SOILS: General Soils Atlas of Florida,
Division of State Planning, 1975.
General Soils Atlas of Florida, U.S.
Soil Conservation Service, 1982.

ACTIVE DUNES: Black and White Aerial
Photography, 1:80,000 Scale, Mark Hurd
Aerial Surveys Inc., 1980.
Topographic Maps, 1:24,000 Scale, U.S.
Geological Survey, various dates.

GEOLOGIC FAULTS: Map of Escambia and
Santa Rosa Counties Showing Contours on top
of the Lower Limestone of the Floridan
Aquifer, State Bureau of Geology, 1965.

FOR COMPLETE REFERENCES SEE MAP NARRATIVE

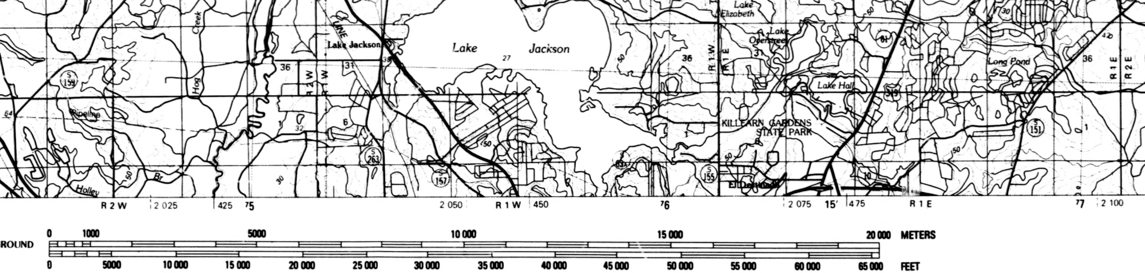

Juniper
Juniper
Creek
Camp
Creek
Sweetwater
Branch
Cane
Creek
Creek
FORBES
PURCHASE
INDEFINITE
Pipeline
Turkey
Creek
LINE
Richland
Creek
Creek
Little
Creek
LINE
Monroe
Midway
31
36
36
36
70
80
80
50
50
50
50
65A
65
65B
267
268
10
90
6
R 4 W
R 3 W
45'
1 925
R 5 W
325
72
1 950
350
R 4 W
73
1 975
375
R 3 W
30'
400


0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
0
1
2
3
4
5
6
7
8
9
10
11
12

SCALE 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE G

CONTOUR INTERVAL 5 METERS


Lake Jackson
Lake
Jackson
27
Lake Elizabeth
Lake Overstreet
Lake Hall
Long Pond
KILLEARN GARDENS STATE PARK
Hog
Creek
Pipeline
Holley
Br
36
31
6
32
30
50
R 2 W
R 1 W
R 1 E
R 2 E
2 025
425
75
2 050
450
76
2 075
15′
475
77
2 100
ROUND
0
1000
5000
10 000
15 000
20 000
METERS
0
5000
10 000
15 000
20 000
25 000
30 000
35 000
40 000
45 000
50 000
55 000
60 000
65 000
FEET

10. **Plummer-Rutlege-Alluvial Land-Fresh Water Swamp-Dorovan-Pamlico Association: Nearly level, poorly drained soils with a thick surface layer overlying a loamy subsoil and very poorly drained soils that are sandy throughout.**

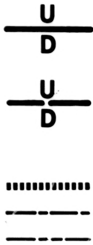
14. **Dothan-Orangeburg Association: Nearly level to sloping, well drained, sandy soils with loamy subsoils.**

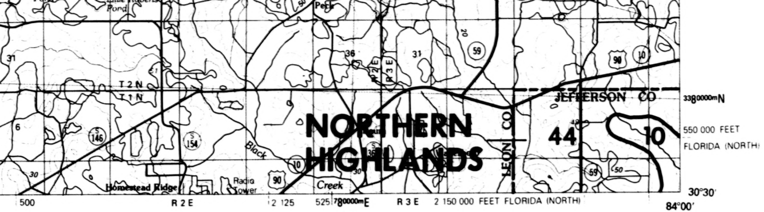
23. **Ardilla-Leefield-Stilson Association: Nearly level to gently sloping, somewhat poorly drained and moderately well drained sandy soils with loamy subsoil.**

39. **Dunbar-Bladen Association: Nearly level, poorly drained loamy soils with clayey subsoils.**

44. **Dothan-Orangeburg-Red Bay Association: Nearly level to sloping, well drained sandy or loamy soils with loamy subsoils.**

E=__ft/yr	**BEACH EROSION AREA (Period of Record: 1957-1981; Univ. of West Florida, 1981)**
A=__ft/yr	**BEACH ACCRETION AREA (Period of Record: 1957-1981; Univ. of West Florida, 1981)**
■	**GULF BARRIER ISLAND**
Ⓓ	**ACTIVE DUNE AREA**




Pond
Pek
36
31
R 2 E
R 3 E
59
90
10
T 2 N
T 1 N
JEFFERSON CO
3380000mN
NORTHERN HIGHLANDS
LEON CO
44
10
550 000 FEET
FLORIDA (NORTH)
146
154
Black
Creek
Homestead Ridge
Radio Tower
30°30′
500
R 2 E
2 125
525 780000mE
R 3 E
2 150 000 FEET FLORIDA (NORTH)
84°00′

54. Chipley-Blanton-Swamp Association
55. Adamsville, var.-Chiefland-Blanton Association
56. Candler-Apopka Association
57. Jonesville-Chiefland-Archer Association
58. Arredondo-Gainesville Association
59. Hernando-Archer-Chiefland Association
60. Sparr-Lochloosa-Tavares Association
61. Adamsville-Osier Association
62. Bushnell-Wabasso-Felda Association
63. Blichton-Flemington-Kanapaha Association
64. Leon-Mascotte-Surrency Association
65. Lynne-Pomona-Pompano Association
66. Candler-Paola-Tavares Association
67. Candler-Adamsville-Pompano Association
68. Arredondo-Kendrick Association
69. Broward-Boca Association
70. Panasoffkee-Bushnell Association
71. Myakka-Basinger Association
72. Meggett, var.-Pompano Association
73. Terra Ceia-Placid Association
74. Arredondo-Sparr-Kendrick Association
75. Candler-Lake Association
76. Masaryk Association
77. Nobleton-Blichton-Flemington Association
78. EauGallie-Wabasso-Basinger Association
79. Paisley-Floridana-Wabasso Association
80. Okeelanta-Aripeka-Terra Ceia Association
81. Homosassa-Weekiwachee-Lacoochee Association
82. Floridana-Basinger Association
83. Salt Water Marsh and Swamp Association
84. Fresh Water Swamp and Marsh Association
85. Blichton-Lochloosa-Kendrick Association
86. Paisley-Bushnell Association
87. Myakka-Pomello Association

NORMAL FAULT
(Showing relative vertical movement, U, up, and D, down)

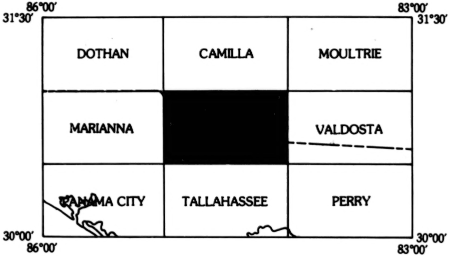
SUB-SURFACE NORMAL FAULT
(Showing relative vertical movement, U, up, and D, down)

STUDY AREA BOUNDARY

Offshore

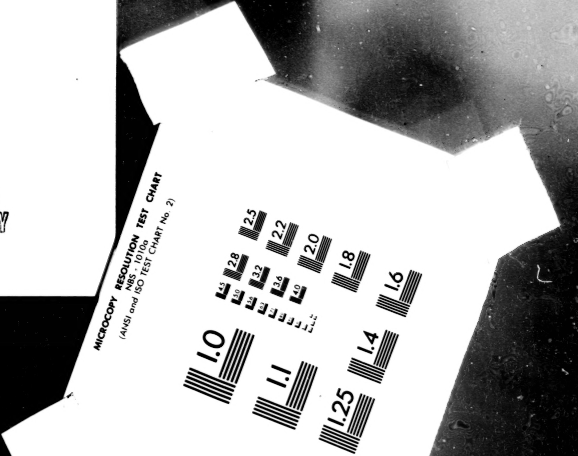
Inland (County)

Inland (State)


86°00′
31°30′
83°00′
31°30′
DOTHAN
CAMILLA
MOULTRIE
MARIANNA
VALDOSTA
PANAMA CITY
TALLAHASSEE
PERRY
30°00′
86°00′
30°00′
83°00′

MICROFILMED F
BEST AVAILABLE

ROM
COPY



MICROCOPY RESOLUTION TEST CHART
NBS - 1010a
(ANSI and ISO TEST CHART No. 2)

2.5
2.2
2.0
1.8
1.6
2.8
3.2
3.6
4.0
4.5
5.0
1.0
1.1
1.25
1.4